

JP09-025228 A
SEAMLESS SOFT CAPSULE
EISAI CO LTD

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Abstract:

PROBLEM TO BE SOLVED: To obtain the coat of a seamless capsule which is easily degradable by using two kinds of materials as essential components and optionally adding an plasticizer and/or a stabilizer. **SOLUTION:** This coat of a seamless capsule is obtained by using Japan agar and an aqueous polymer as essential components. The aqueous polymer is selected from alginic acid or its salts, an alginic acid derivative, carrageenan and a pectin. The aqueous polymer is preferably added in an amount of 1-150 pts.wt. to 100 pts.wt. of the Japan agar. Optionally, 10-450 pts.wt. of a plasticizer (e.g. a sugar, a sugar alcohol, a polysaccharide or a polyhydric alcohol) is added to the above system based on 100 pts.wt. of the Japan agar. Further, 0.5-30 pts. wt. of a stabilizer is optionally added to the system based on 100 pts. wt. of the Japan agar. The obtained soft capsule easily dissolves even in water or a gastric juice and has little hygroscopicity. It is resistant to be soften, scarcely sticking to each other and also resistant against the coloring and deterioration of the coat. Further, it has properties such as escaping from allergy caused by an animal material.

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Applicant: Eisai Co., Ltd.

Title of the Invention: Seamless Soft Capsule

Claims:

1. A seamless soft capsule film comprising agar and a water-soluble polymer.
2. A seamless soft capsule comprising agar, a water-soluble polymer and a plasticizer.
3. A seamless soft capsule film comprising agar, a water-soluble polymer, a plasticizer and a stabilizer.
4. The capsule of any of Claims 1-3, wherein the water-soluble polymer is one or more selected from alginic acid, its salts, its derivatives, carrageenan and pectin.
5. The capsule of any of Claim 2 or 3, wherein the plasticizer is one or more selected from, sugars, sugar alcohols, polysaccharides and polyhydric alcohols.